

Dairy Manure Nutrient Crediting For Crop Year

Producer/Operator _____

Planning Date _____

1. Gather the following information: lab analysis of manure, proposed or actual manure application rate, and proposed or actual application method and incorporation timing.
2. Multiply the lab analysis (a) by rate (b) to determine (c) total nutrients per acre applied to the field.
3. Select appropriate **1st year N availability %**. **1st year P₂O₅ and K₂O** availabilities and **2nd year N** availabilities are already entered on the form. The percentages account for available nutrients after deducting nutrient losses attributed to selected manure application processes. Multiply (c) total nutrients per acre applied to the field by the respective availability percentages. The answers are **nutrients available the 1st and 2nd crop years after application on a per acre basis**.

Broadcast-Incorporation Timing			Injection		
1 st year N%	None (>96 hrs.) 20%	12 hrs. to <4 days 40%	<12 hrs 55%	Sweep 55%	Knife 50%
Manure source/application					
FIELD #					
Manure Analysis (lbs./ton or 1000 gals.)	(a)	N _____	(a)	P ₂ O ₅ _____	(a)
		X		X	X
Application Rate (tons or 1000 gals./acre)	(b)	_____	(b)	_____	(b)
Total Nutrients applied (lbs./acre)	(a)X(b)=(c)	_____	(c)	_____	(c)
		X		X	X
% available 1 st year		%		80%	90%
Nutrients Available 1st Crop Year		_____ lbs./ac		_____ lbs./ac.	_____ lbs./ac.
Nutrients Available 2nd Crop Year	= N (c) _____ X25%= _____ lbs./ac. N		NONE		NONE

Manure source/ application					
FIELD #					
Manure Analysis (lbs./ton or 1000 gals.)	(a)	N _____	(a)	P ₂ O ₅ _____	(a)
		X		X	X
Application Rate (tons or 1000 gals./acre)	(b)	_____	(b)	_____	(b)
Total Nutrients applied (lbs./acre)	(a)X(b)=(c)	_____	(c)	_____	(c)
		X		X	X
% available 1 st year		%		80%	90%
Nutrients Available 1st Crop Year		_____ lbs./ac		_____ lbs./ac.	_____ lbs./ac.
Nutrients Available 2nd Crop Year	= N (c) _____ X25%= _____ lbs./ac. N		NONE		NONE

Manure source/application Earthen Pit/Knife Inject					
FIELD # 1-5					
Manure Analysis (lbs./ton or 1000 gals.)	(a)	N 32.2	(a)	P ₂ O ₅ 26.7	(a)
		X		X	X
Application Rate (tons or 1000 gals./acre)	(b)	5	(b)	5	(b)
Total Nutrients applied (lbs./acre)	(a)X(b)=(c)	161	(c)	83.5	(c)
		X		X	X
% available 1 st year		50%		80%	90%
Nutrients Available 1st Crop Year		80 lbs./ac		66 lbs./ac.	93 lbs./ac.
Nutrients Available 2nd Crop Year	= N (c) 161 X25%=40 lbs./ac. N		NONE		NONE

Beef Manure Nutrient Crediting For Crop Year

Producer/Operator _____

Planning Date _____

1. Gather the following information: lab analysis of manure, proposed or actual manure application rate, and proposed or actual application method and incorporation timing.
2. Multiply the lab analysis (a) by rate (b) to determine (c) total nutrients per acre applied to the field.
3. Select appropriate **1st year N availability %**. **1st year P₂O₅** and **K₂O** availabilities and **2nd year N** availabilities are already entered on the form. The percentages account for available nutrients after deducting nutrient losses attributed to selected manure application processes. Multiply (c) total nutrients per acre applied to the field by the respective availability percentages. The answers are **nutrients available the 1st and 2nd crop years after application on a per acre basis**.

		Broadcast-Incorporation Timing			Injection	
		None (>96 hrs.)	12 hrs. to <4 days	<12 hrs	Sweep	Knife
1 st year N%		25%	45%	60%	60%	50%
Manure source/application						
FIELD #						
		N		P₂O₅		K₂O
Manure Analysis (lbs./ton or 1000 gals.)	(a)	X		X	(a)	X
Application Rate (tons or 1000 gals./acre)	(b)	_____		_____	(b)	_____
Total Nutrients applied (lbs./acre)	(a)X(b)=(c)	X		X	(c)	X
% available 1 st year		%		80%		90%
Nutrients Available 1st Crop Year		_____ lbs./ac		_____ lbs./ac.		_____ lbs./ac.
Nutrients Available 2nd Crop Year	= N (c) _____ X25%= _____ lbs./ac. N			NONE		NONE

Manure source/ application						
FIELD #						
		N		P₂O₅		K₂O
Manure Analysis (lbs./ton or 1000 gals.)	(a)	X		X	(a)	X
Application Rate (tons or 1000 gals./acre)	(b)	_____		_____	(b)	_____
Total Nutrients applied (lbs./acre)	(a)X(b)=(c)	X		X	(c)	X
% available 1 st year		%		80%		90%
Nutrients Available 1st Crop Year		_____ lbs./ac		_____ lbs./ac.		_____ lbs./ac.
Nutrients Available 2nd Crop Year	= N (c) _____ X25%= _____ lbs./ac. N			NONE		NONE

Manure source/application Earthen Pit/Broadcast Inc. 2 days						
FIELD # 1-5						
		N		P₂O₅		K₂O
Manure Analysis (lbs./ton or 1000 gals.)	(a)	32.2		26.7	(a)	18.6
Application Rate (tons or 1000 gals./acre)	(b)	5		5	(b)	5
Total Nutrients applied (lbs./acre)	(a)X(b)=(c)	161		83.5	(c)	93
% available 1 st year		45%		80%		90%
Nutrients Available 1st Crop Year		72 lbs./ac		66 lbs./ac.		93 lbs./ac.
Nutrients Available 2nd Crop Year	= N (c) 161 X25%=40 lbs./ac. N			NONE		NONE

Swine Manure Nutrient Crediting For Crop Year

Producer/Operator _____

Planning Date _____

1. Gather the following information: lab analysis of manure, proposed or actual manure application rate, and proposed or actual application method and incorporation timing.
2. Multiply the lab analysis (a) by rate (b) to determine (c) total nutrients per acre applied to the field.
3. Select appropriate **1st year N availability %**. **1st year P₂O₅ and K₂O** availabilities and **2nd year N** availabilities are already entered on the form. The percentages account for available nutrients after deducting nutrient losses attributed to selected manure application processes. Multiply (c) total nutrients per acre applied to the field by the respective percentages. The answers are **nutrients available the 1st and 2nd crop years after application on a per acre basis**.

	Broadcast-Incorporation Timing			Injection	
	None (>96 hrs.)	12 hrs. to <4 days	<12 hrs	Sweep	Knife
1st year N%	35%	55%	75%	80%	70%

Manure source/application FIELD

	N	P ₂ O ₅	K ₂ O
Manure Analysis (lbs./ton or 1000 gals.)	(a) _____	(a) _____	(a) _____
	X	X	X
Application Rate (tons or 1000 gals./acre)	(b) _____	(b) _____	(b) _____
Total Nutrients applied (lbs./acre)	(a)X(b)=(c) _____	(c) _____	(c) _____
	X	X	X
% available 1 st year	%	80%	90%
Nutrients Available 1st Crop Year	_____ lbs./ac	_____ lbs./ac.	_____ lbs./ac.
Nutrients Available 2nd Crop Year	= N (c) _____ X 15% = _____ lbs./ac. N		
		NONE	NONE

Manure source/application FIELD

	N	P ₂ O ₅	K ₂ O
Manure Analysis (lbs./ton or 1000 gals.)	(a) _____	(a) _____	(a) _____
	X	X	X
Application Rate (tons or 1000 gals./acre)	(b) _____	(b) _____	(b) _____
Total Nutrients applied (lbs./acre)	(a)X(b)=(c) _____	(c) _____	(c) _____
	X	X	X
% available 1 st year	%	80%	90%
Nutrients Available 1st Crop Year	_____ lbs./ac	_____ lbs./ac.	_____ lbs./ac.
Nutrients Available 2nd Crop Year	= N (c) _____ X 15% = _____ lbs./ac. N		
		NONE	NONE

Manure source/application Under Floor Liquid/Knife Inject FIELD # 1-5

	N	P ₂ O ₅	K ₂ O
Manure Analysis (lbs./ton or 1000 gals.)	(a) 47	(a) 36	(a) 30
	X	X	X
Application Rate (tons or 1000 gals./acre)	(b) 4	(b) 4	(b) 4
Total Nutrients applied (lbs./acre)	(a)X(b)=(c) 188	(c) 144	(c) 120
	X	X	X
% available 1 st year	70%	80%	90%
Nutrients Available 1st Crop Year	132 lbs./ac	115 lbs./ac.	108 lbs./ac.
Nutrients Available 2nd Crop Year	= N (c) 188 X 15% = 28 lbs./ac. N		
		NONE	NONE

Planning Date

- ### Broadcast-Incorporation Timing

<12 hrs

70%

(a) K_2O
 x

(b)

(c) **x**

90%

lbs./ac.

NONE

(a) K_2O
 X

(b)

(c) **x**

90%

____ lbs./ac.

NONE

(a) $\frac{K_2O}{34}$

(b) **5**

(c) 170
X

90%

153 lbs./ac.

NONE